

GILA RIVER BASIN

09520130 DARBY ARROYO NEAR AJO, AZ

LOCATION.--Lat 32°21'19", long 112°49'31", in NW¹/₄ sec.30, T.12 S., R.5 W., Pima County, Hydrologic Unit 15070202, at State Highway 85, 2 mi southeast of Ajo.

DRAINAGE AREA.--4.72 mi².

Annual peak discharges

Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes	Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes
1966	09-13-66	1,320		1974	09-26-74	470	
1967	09-06-67	1,670		1975	10-29-74	270	
1968	07-04-68	480		1976	08-11-76	840	
1969	08-11-69	480		1977	07-04-77	780	
1970	08-02-70	960		1978	10-06-77	1,070	
1971	08-19-71	500		1979	11-11-78	320	
1972	10-06-71	450		1980	08-13-80	150	
1973	10-06-72	105		1981	08-23-81	400	

Magnitude and probability of instantaneous peak flow based on period of record 1966-81

Discharge, in ft ³ /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2 50%	5 20%	10 10%	25 4%	50† 2%	100† 1%
550	922	1,210	1,640	1,990	2,380
Weighted skew	(logs) =	0.11			
Mean	(logs) =	2.75			
Standard dev.	(logs) =	0.26			

† Reliability of values in column is uncertain, and potential errors are large.

Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
71.1	6.0	1,920	0.0	3.0	8.1	1.6	4.1

